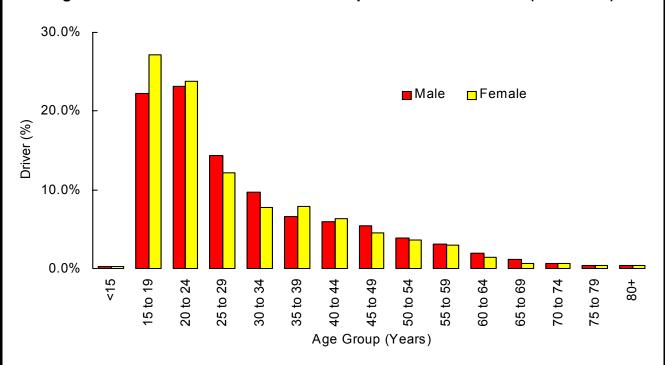
Speed-Related Crashes 2004

SPEED

Did you know that in 2004. . .

- 7,673 speed-related crashes occurred in Utah which resulted in 3,100 injuries and 84 fatalities.
- Speed-related crashes were 2.4 times more likely to be fatal than other motor vehicle crashes.
- A speed-related crash occurred in Utah every 60 minutes.

Age and Gender of Drivers Involved in Speed-Related Crashes (Utah 2004)



- While male drivers accounted for 56.7% of all drivers involved in a crash, they were involved in two-thirds (64.4%) of speed-related crashes.
- Teenage drivers between the ages of 15 to 19 years accounted for 17.2% of all drivers involved in a crash, yet they represented 22.3% of drivers involved in a speed-related crash.

Counties with the Highest Rates of Speed-Related Crashes (Utah 2004)

County	# of Speed-Related Crashes	Rate per 100 Million Vehicle Miles Traveled	County	# of Speed-Related Crashes	Rate per 100 Million Vehicle Miles Traveled
Morgan	75	64.1	Iron	248	39.1
Wasatch	161	60.5	Millard	157	36.5
Wayne	19	49.6	Kane	47	36.2
Summit	273	40.1	Cache	307	35.6
Daggett	11	39.6	Statewide	7,367	31.1

Section 5: Speed-Related Crashes

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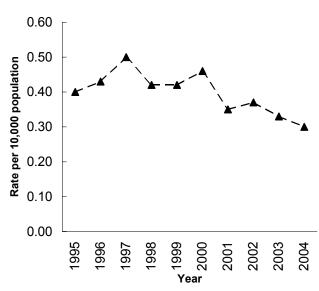
Trends

Speed-Related Crashes 1995-2004

	Speed-Related Crashes												
		Property Dama	age Only (PDO)	Ir	njury	F	atal	Total					
		Speed		Speed		Speed		All					
		PDO	Rate per	Injury	Rate per	Fatal	Rate per	Speed	Rate per				
	Utah	Crashes	10,000	Crashes	10,000	Crashes	10,000	Crashes	10,000				
Year	Population	#	Population	#	Population	#	Population	#	Population				
1995	1,995,228	3,980	19.9	2,912	14.6	80	0.40	6,972	34.9				
1996	2,042,893	5,565	27.2	3,322	16.3	87	0.43	8,974	43.9				
1997	2,099,409	4,823	23.0	3,151	15.0	105	0.50	8,079	38.5				
1998	2,141,632	4,717	22.0	2,981	13.9	90	0.42	7,788	36.4				
1999	2,193,014	3,836	17.5	2,652	12.1	92	0.42	6,580	30.0				
2000	2,246,553	4,687	20.9	2,934	13.1	104	0.46	7,725	34.4				
2001	2,295,971	5,037	21.9	3,003	13.1	80	0.35	8,120	35.4				
2002	2,338,761	4,379	18.7	2,770	11.8	86	0.37	7,235	30.9				
2003	2,385,358	4,498	18.9	2,604	10.9	79	0.33	7,181	30.1				
2004	2,469,230	4,836	19.6	2,764	11.2	73	0.30	7,673	31.1				
Total	22,208,049	46,358	20.9	29,093	13.1	876	0.39	76,327	34.4				

Speed-Related Property Damage Only and Injury Crashes (Utah 1995-2004)

Speed-Related Fatal Crashes (Utah 1995-2004)



- Speed-related crashes are a concern because of the potential for severe injury and death.
- For the past ten years, the speed-related injury crash rate per 10,000 population remained fairly constant, while trends for property damage only speed-related crashes and fatal speed-related crashes varied from year to year.
- In 2004, speed-related property damage only crash rates increased 3.7% from 2003, and the total speed-related crash rate increased 3.3%.
- In 2004, speed-related injury crash rates increased 2.8% from 2003; however, the speed-related fatal crash rates decreased 9.1%.

Counties

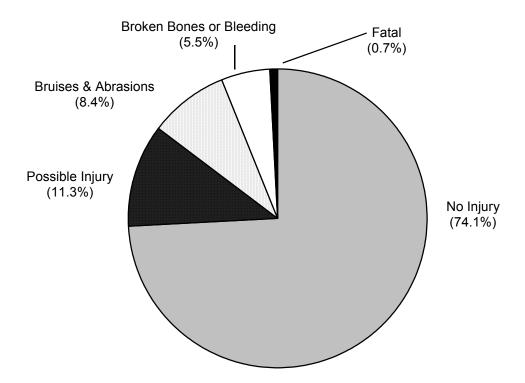
Speed-Related Crashes by County (Utah 2004)

				S	peed-R	elated Cr	ashes					
	Property I	Damage O	nly (PDO)		Injury			Fatal			Total	
	Speed	Rate	Rate	Speed	Rate	Rate	Speed	Rate	Rate	All	Rate	Rate
	PDO	per 100	per	Injury	per 100	per	Fatal	per 100	per	Speed	per 100	per
	Crashes	Million	10,000	Crashes	Million	10,000	Crashes	Million	10,000	Crashes	Million	10,000
County	#	VIVIT	Population	#	VMT	Population	#	VMT	Population	#	VMT	Population
Beaver	50	20.6	79.3	29	12.0	46.0	0	0.0	0.0	79	32.6	125.2
Box ⊟der	173	19.5	38.7	116	13.1	26.0	0	0.0	0.0	289	32.6	64.7
Cache	195	22.6	19.5	107	12.4	10.7	5	0.6	0.5	307	35.6	30.6
Carbon	40	13.3	20.6	35	11.7	18.1	1	0.3	0.5	76	25.4	39.2
Daggett	2	7.2	21.0	9	32.4	94.3	0	0.0	0.0	11	39.6	115.3
Davis	398	17.3	14.8	207	9.0	7.7	2	0.1	0.1	607	26.4	22.6
Duchesne	35	16.9	23.4	32	15.5	21.4	2	1.0	1.3	69	33.4	46.2
Emery	56	15.8	53.4	34	9.6	32.4	1	0.3	1.0	91	25.7	86.7
Garfield	16	12.9	34.6	12	9.7	25.9	0	0.0	0.0	28	22.6	60.5
Grand	22	7.9	25.5	21	7.5	24.4	3	1.1	3.5	46	16.5	53.4
Iron	132	20.8	33.9	111	17.5	28.5	5	0.8	1.3	248	39.1	63.7
Juab	53	13.7	60.0	30	7.8	34.0	0	0.0	0.0	83	21.5	94.0
Kane	22	17.0	36.3	23	17.7	38.0	2	1.5	3.3	47	36.2	77.6
Millard	81	18.8	61.7	69	16.0	52.6	7	1.6	5.3	157	36.5	119.6
Morgan	53	45.3	64.3	22	18.8	26.7	0	0.0	0.0	75	64.1	90.9
Piute	3	9.9	22.0	2	6.6	14.6	1	3.3	7.3	6	19.7	43.9
Rich	7	13.3	33.8	8	15.2	38.7	0	0.0	0.0	15	28.5	72.5
Salt Lake	1,954	24.1	20.5	910	11.2	9.5	14	0.2	0.1	2,878	35.5	30.1
San Juan	26	9.3	18.1	32	11.4	22.3	2	0.7	1.4	60	21.4	41.8
Sanpete	30	12.4	12.0	17	7.0	6.8	1	0.4	0.4	48	19.8	19.2
Sevier	62	14.9	31.9	39	9.4	20.1	0	0.0	0.0	101	24.3	52.0
Summit	204	30.0	58.1	68	10.0	19.4	1	0.1	0.3	273	40.1	77.8
Tooele	90	10.9	18.0	53	6.4	10.6	7	0.9	1.4	150	18.2	30.0
Uintah	50	16.3	19.1	39	12.7	14.9	3	1.0	1.1	92	30.0	35.1
Utah	590	16.9	13.5	392	11.2	9.0	8	0.2	0.2	990	28.3	22.6
Wasatch	95	35.7	49.5	62	23.3	32.3	4	1.5	2.1	161	60.5	84.0
Washington	92	8.5	7.8	102	9.4	8.7	2	0.2	0.2	196	18.1	16.7
Wayne	5	13.0	19.9	14	36.5	55.6	0	0.0	0.0	19	49.6	75.5
Weber	300	19.7	14.3	169	11.1	8.1	2	0.1	0.1	471	30.9	22.5
Statewide	4,836	19.6	19.6	2,764	11.2	11.2	73	0.3	0.3	7,673	31.2	31.1

- Two different rates are given in the above table; one based on vehicle miles traveled in the county, and another based on the population of the county.
- Rate per 100 million vehicle miles traveled:
 - Wayne (36.5), Daggett (32.4) and Wasatch (23.3) had the highest rates of speed-related injury crashes per 100 million vehicle miles traveled.
 - Piute (3.3) and Millard (1.6) had the highest rates of fatal speed-related crashes per 100 million vehicle miles traveled.
- Rate per 10,000 population:
 - Daggett (94.3), Wayne (55.6) and Millard (52.6) had the highest rates of speed-related injury crashes per 10,000 population.
 - Piute (7.3), Millard (5.3) and Grand (3.5) had the highest rates of speed-related crashes per 10,000 population.

Occupant Characteristics (Including Driver)

Injury Severity of Occupants Involved in Speed-Related Crashes (Utah 2004)



- In the above graph, there were a total of 12,284 persons involved in speed-related crashes.
- Approximately one-quarter (25.2%) of the occupants involved in speed-related crashes sustained a non-fatal injury. This compares to 21.0% of occupants who sustained a non-fatal injury in all motor vehicle crashes.
- The fatality percentage of occupants involved in speed-related crashes (0.7%) was higher than the fatality percentage of occupants involved in all motor vehicle crashes (0.2%).

Driver Characteristics

Age and Gender of Drivers Involved in Speed-Related Crashes (Utah 2004)

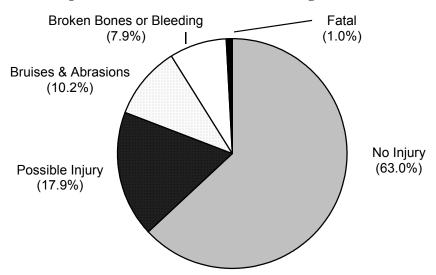
	Drivers (Speed-Related)															
	Spec	Drivers Involved in Speed-Related Property Damage Only Crashes			D	Speed-F	s Involved in Ced-Related y Crashes			Drivers Involved in Speed-Related Fatal Crashes			Total Drivers Involved in Speed-Related Crashes			
	Fer	nale		ale	Fer	male		ale	F	emale		Male	Female		Male	
		vers		vers		vers		vers	_	rivers		rivers		vers		vers
Age	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
<15	1	0.1%	7	0.2%	6	0.6%	10	0.5%	1	5.6%	0	0.0%	8	0.3%	17	0.3%
15-19	480	27.2%	716	22.7%	272	27.0%	398	21.7%	3	16.7%	8	14.3%	755	27.1%	1,122	22.3%
20-24	429	24.3%	727	23.1%	227	22.6%	422	23.0%	6	33.3%	14	25.0%	662	23.8%	1,163	23.1%
25-29	203	11.5%	459	14.6%	131	13.0%	255	13.9%	2	11.1%	8	14.3%	336	12.1%	722	14.3%
30-34	142	8.1%	320	10.2%	72	7.2%	164	9.0%	1	5.6%	4	7.1%	215	7.7%	488	9.7%
35-39	137	7.8%	208	6.6%	82	8.2%	116	6.3%	1	5.6%	8	14.3%	220	7.9%	332	6.6%
40-44	114	6.5%	181	5.7%	61	6.1%	117	6.4%	2	11.1%	4	7.1%	177	6.4%	302	6.0%
45-49	79	4.5%	173	5.5%	46	4.6%	96	5.2%	1	5.6%	3	5.4%	126	4.5%	272	5.4%
50-54	62	3.5%	111	3.5%	39	3.9%	81	4.4%	0	0.0%	4	7.1%	101	3.6%	196	3.9%
55-59	56	3.2%	94	3.0%	26	2.6%	61	3.3%	1	5.6%	2	3.6%	83	3.0%	157	3.1%
60-64	23	1.3%	57	1.8%	15	1.5%	43	2.3%	0	0.0%	0	0.0%	38	1.4%	100	2.0%
65-69	8	0.5%	33	1.0%	11	1.1%	23	1.3%	0	0.0%	0	0.0%	19	0.7%	56	1.1%
70-74	9	0.5%	17	0.5%	8	0.8%	14	0.8%	0	0.0%	0	0.0%	17	0.6%	31	0.6%
75-79	8	0.5%	10	0.3%	4	0.4%	9	0.5%	0	0.0%	1	1.8%	12	0.4%	20	0.4%
80-84	6	0.3%	4	0.1%	1	0.1%	8	0.4%	0	0.0%	0	0.0%	7	0.3%	12	0.2%
85+	1	0.1%	6	0.2%	2	0.2%	3	0.2%	0	0.0%	0	0.0%	3	0.1%	9	0.2%
Unknown	5	0.3%	26	0.8%	3	0.3%	12	0.7%	0	0.0%	0	0.0%	8	0.3%	38	0.8%
Total	1,763	100.0%	3,149	100.0%	1,006	100.0%	1,832	100.0%	18	100.0%	56	100.0%	2,787	100.0%	5,037	100.0%

NOTE: Gender was not reported for 136 drivers involved in speed-related crashes.

- Overall, male drivers represented 64.4% of the drivers involved in speed-related crashes.
- For male drivers, those aged 20 to 24 years had the highest percentage of total speed-related crashes (23.1%), speed-related injury crashes (23.0%), and fatal crashes (25.0%).
- For female drivers, those aged 15 to 19 years had the highest percentage of total speed-related crashes (27.1%) as well as speed-related injury crashes (27.0%). Female drivers aged 20 to 24 years had the highest percentage of fatal speed-related crashes (33.3%).

Crash Characteristics

Speed-Related Crash Severity (Utah 2004)



- In the above graph, there were a total of 7,673 speed-related crashes.
- The percentage of speed-related crashes that resulted in a non-fatal injury (36.0%) was the same as the percentage of all motor vehicle crashes that resulted in a non-fatal injury (36.0%).
- In addition, a higher percentage of speed-related crashes were fatal (1.0%) compared to all fatal motor vehicle crashes (0.5%).
- In fact, speed-related crashes were 2.4 times more likely to be fatal than other motor vehicle crashes.

Speed-Related Crashes by Month of Year (Utah 2004)

	Speed-Related Crashes												
		Property Damage	Injury		Fatal		Total						
	Days in	Speed-Related	Rate	Speed-Related	Rate	Speed-Related	Rate	All Speed-	Rate				
	Month	PDO Crashes	per	Injury Crashes	per	Fatal Crashes	per	Related Crashes	per				
Month	#	#	Day	#	Day	#	Day	#	Day				
January	31	751	24.2	321	10.4	2	0.1	1,074	34.6				
February	29	990	34.1	391	13.5	4	0.1	1,385	47.8				
March	31	221	7.1	162	5.2	10	0.3	393	12.7				
April	30	208	6.9	175	5.8	5	0.2	388	12.9				
May	31	179	5.8	207	6.7	8	0.3	394	12.7				
June	30	192	6.4	166	5.5	5	0.2	363	12.1				
July	31	194	6.3	181	5.8	8	0.3	383	12.4				
August	31	211	6.8	185	6.0	9	0.3	405	13.1				
September	30	214	7.1	167	5.6	6	0.2	387	12.9				
October	31	371	12.0	222	7.2	6	0.2	599	19.3				
November	30	527	17.6	284	9.5	7	0.2	818	27.3				
December	31	778	25.1	303	9.8	3	0.1	1,084	35.0				
Total	366	4,836	13.2	2,764	7.6	73	0.2	7,673	21.0				

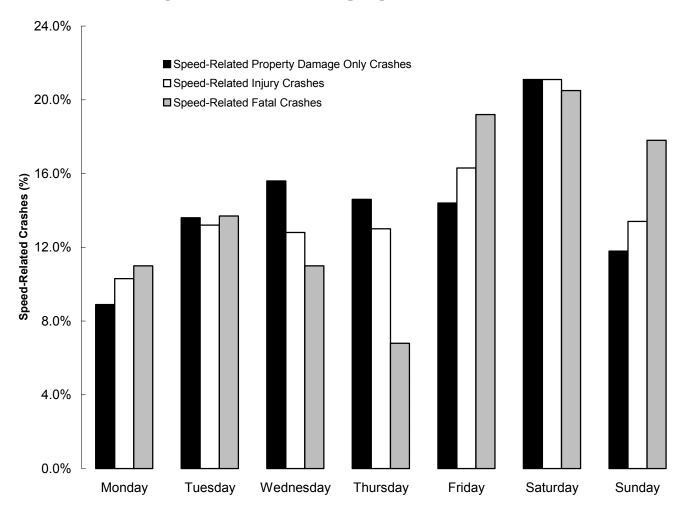
- The above table shows the number and rate per day of speed-related crashes for each month.
- Overall, February (47.8), December (35.0) and January (34.6) had the highest rates of speed-related crashes per day.
- March had the highest rate per day of fatal speed-related crashes (0.3).

Crash Characteristics

Speed-Related Crashes by Day of Week (Utah 2004)

	Speed-Related Crashes											
	Property Dama	ge Only Crashes	Injury	Crashes	Fatal	Crashes	Total Crashes					
Day of Week	#	%	#	%	#	%	#	%				
Monday	428	8.9%	284	10.3%	8	11.0%	720	9.4%				
Tuesday	660	13.6%	365	13.2%	10	13.7%	1,035	13.5%				
Wednesday	756	15.6%	353	12.8%	8	11.0%	1,117	14.6%				
Thursday	704	14.6%	360	13.0%	5	6.8%	1,069	13.9%				
Friday	695	14.4%	450	16.3%	14	19.2%	1,159	15.1%				
Saturday	1,022	21.1%	583	21.1%	15	20.5%	1,620	21.1%				
Sunday	571	11.8%	369	13.4%	13	17.8%	953	12.4%				
Total	4,836	100.0%	2,764	100.0%	73	100.0%	7,673	100.0%				

Speed-Related Crashes by Day of Week (Utah 2004)



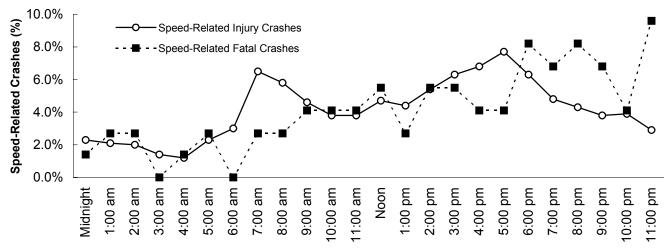
- The above table and graph show that the highest percentage of speed-related total crashes (21.1%), property damage only crashes (21.1%), injury crashes (21.1%) and fatal crashes (20.5%) occurred on Saturday.
- The lowest percentage of fatal speed-related crashes occurred on Thursday (6.8%).

Crash Characteristics

Speed-Related Crashes by Hour of Day (Utah 2004)

	Speed-Related Crashes											
	Property Damag	ge Only Crashes	Injury (Crashes	Fatal	Crashes	Total C	rashes				
Hour	#	%	#	%	#	%	#	%				
Midnight	115	2.4%	63	2.3%	1	1.4%	179	2.3%				
1:00 am	97	2.0%	58	2.1%	2	2.7%	157	2.0%				
2:00 am	80	1.7%	55	2.0%	2	2.7%	137	1.8%				
3:00 am	60	1.2%	38	1.4%	0	0.0%	98	1.3%				
4:00 am	51	1.1%	33	1.2%	1	1.4%	85	1.1%				
5:00 am	93	1.9%	63	2.3%	2	2.7%	158	2.1%				
6:00 am	194	4.0%	82	3.0%	0	0.0%	276	3.6%				
7:00 am	330	6.8%	179	6.5%	2	2.7%	511	6.7%				
8:00 am	363	7.5%	161	5.8%	2	2.7%	526	6.9%				
9:00 am	281	5.8%	128	4.6%	3	4.1%	412	5.4%				
10:00 am	203	4.2%	106	3.8%	3	4.1%	312	4.1%				
11:00 am	183	3.8%	106	3.8%	3	4.1%	292	3.8%				
Noon	182	3.8%	130	4.7%	4	5.5%	316	4.1%				
1:00 pm	204	4.2%	122	4.4%	2	2.7%	328	4.3%				
2:00 pm	211	4.4%	148	5.4%	4	5.5%	363	4.7%				
3:00 pm	259	5.4%	175	6.3%	4	5.5%	438	5.7%				
4:00 pm	287	5.9%	188	6.8%	3	4.1%	478	6.2%				
5:00 pm	339	7.0%	212	7.7%	3	4.1%	554	7.2%				
6:00 pm	282	5.8%	174	6.3%	6	8.2%	462	6.0%				
7:00 pm	223	4.6%	133	4.8%	5	6.8%	361	4.7%				
8:00 pm	240	5.0%	119	4.3%	6	8.2%	365	4.8%				
9:00 pm	202	4.2%	104	3.8%	5	6.8%	311	4.1%				
10:00 pm	186	3.8%	107	3.9%	3	4.1%	296	3.9%				
11:00 pm	171	3.5%	80	2.9%	7	9.6%	258	3.4%				
Total	4,836	100.0%	2,764	100.0%	73	100.0%	7,673	100.0%				

Speed-Related Crashes by Hour of Day (Utah 2004)



- The above table and graph show that speed-related injury crashes peaked in the late afternoon (2:00 pm to 6:00 pm), with another peak at 7:00 am.
- Fatal speed-related crashes varied by hour peaked in evening (6:00 pm to 11:00 pm).